



# Iowa Crops & Weather

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Issued October 4, 2010

Vol 10-31

For the week ending October 3, 2010

## CONDITIONS ENABLE COMBINES TO CONTINUE

**Agricultural Summary:** After a week of wet weather, almost the entire state escaped rainfall this week, with eastern Iowa receiving only trace amounts. Throughout Iowa, conditions were mostly sunny and breezy during the week, ideal for drying crops and farm ground. Temperatures ranged from daytime highs in the seventies to overnight lows in the thirties. The upcoming week looks just as good with weather forecasts predicting temperatures approaching eighty and no rain expected in the near future.

Iowa's producers were once again able to continue with their 2010 crop harvest, following a week that allowed little fieldwork. Farmers entered fields early in the week and capitalized on favorable weather conditions through the weekend. With more operators in the field, minor lodging is being found in both corn and soybean fields. High winds and rain the previous week are believed to be a contributing factor. Growers are mentioning nitrogen deficiencies in corn and sudden death in soybeans as yield losses are being reported in affected areas. Feedlots benefited from the weather during past week, after reports of muddy conditions the previous week.

There were 6.3 days suitable for fieldwork last week compared to 2.2 days the previous week. For the first time this growing season, all districts in Iowa reported more than 6.0 days suitable with Central Iowa reporting the highest number of days, at 6.7 days suitable. Topsoil moisture rated 0 percent very short, 2 percent short, 85 percent adequate, and 13 percent surplus across the state. Subsoil moisture rated 0 percent very short, 2 percent short, 80 percent adequate, and 18 percent surplus.

**Field Crops Report:** Ninety-seven percent of the corn acres are at or beyond maturity and 19 percent have been harvested. Corn harvest is just over one week ahead of average, but over four weeks ahead of 2009. Moisture content of all corn in the field is estimated at 21 percent, while the moisture content of corn being harvested is estimated at 18 percent. Corn lodging is rated 76 percent none, 19 percent light, 4 percent moderate, and 1 percent heavy. Ear droppage is rated 82 percent none, 15 percent light, 3 percent moderate, and 0 percent heavy. Corn condition rated 4 percent very poor,

8 percent poor, 21 percent fair, 46 percent good, and 21 percent excellent.

Leaves have begun to drop on 90 percent of the soybean acres, 2 percentage points ahead of last year, but 1 percentage point behind the five-year average. Soybean acres harvested increased 31 percentage points to 38 percent complete, ahead of the 18 percent complete last year and the five-year average of 37 percent. Soybean lodging is rated at 80 percent none, 16 percent light, 4 percent moderate, and 0 percent heavy. Soybeans shattering is rated 78 percent none, 15 percent light, 5 percent moderate, and 2 percent heavy. Soybean condition rated 3 percent very poor, 6 percent poor, 20 percent fair, 49 percent good, and 22 percent excellent. With harvest in full swing, grain movement was reported at 20 percent none, 31 percent light, 29 percent moderate, and 20 percent heavy.

**Livestock, Pasture and Range Report:** Pasture and range condition rated 2 percent very poor, 6 percent poor, 27 percent fair, 50 percent good, and 15 percent excellent.

### IOWA PRELIMINARY WEATHER SUMMARY Provided by Harry Hillaker, State Climatologist Iowa Department of Agriculture & Land Stewardship

Iowa enjoyed its driest week in 31 weeks (late February). The only rain recorded came on Friday (1<sup>st</sup>) night over parts of eastern Iowa with maximum amounts of just 0.11 inches at Burlington and Fayette. The statewide average precipitation was 0.01 inch while normal for the week is 0.66 inches. Meanwhile daytime highs were mostly in the seventies from Monday (27<sup>th</sup>) through Friday (1<sup>st</sup>) but turned sharply colder over the weekend. The season's first freeze affected parts of the northwest two-thirds of Iowa on Sunday (3<sup>rd</sup>) morning with temperatures falling a little further over eastern Iowa on Monday (4<sup>th</sup>) morning. Temperatures on Sunday morning fell as low as 28 degrees at Battle Creek, Charles City, Cresco, Elkader and Mason City and then down to 26 degrees at Elkader on Monday morning. Temperatures for the week as a whole averaged 1.2 degrees below normal. Finally, soil temperatures as of Sunday were averaging in the mid fifties over most of the state.

### Statewide Crop Conditions as of October 3, 2010

Item	Very Poor (Percent)	Poor (Percent)	Fair (Percent)	Good (Percent)	Excellent (Percent)
Corn .....	4	8	21	46	21
Soybeans .....	3	6	20	49	22
Range & Pasture .....	2	6	27	50	15

### Statewide Harvesting Conditions as of October 3, 2010

Item	None (Percent)	Light (Percent)	Moderate (Percent)	Heavy (Percent)
Corn lodging .....	76	19	4	1
Corn ear droppage .....	82	15	3	0
Soybeans lodging .....	80	16	4	0
Soybeans shattering .....	78	15	5	2

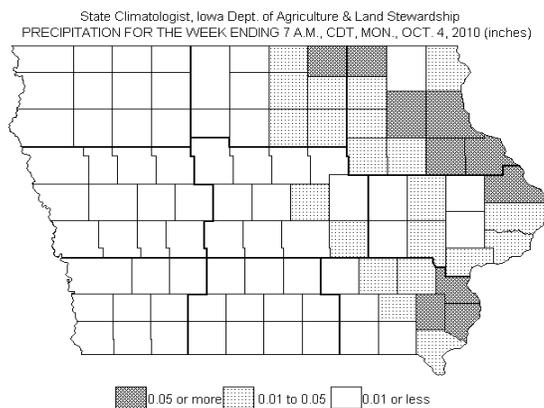
### State Post-Harvest Conditions as of October 3, 2010

Item	None (Percent)	Light (Percent)	Moderate (Percent)	Heavy (Percent)
Grain movement .....	20	31	29	20

### Field Work and Crop Progress as of October 3, 2010

Item	Districts									State (Percent)	Last Week (Percent)	Last Year (Percent)	5-yr Avg (Percent)
	NW (Percent)	NC (Percent)	NE (Percent)	WC (Percent)	C (Percent)	EC (Percent)	SW (Percent)	SC (Percent)	SE (Percent)				
Corn mature (safe from frost) .....	93	100	94	96	100	99	97	93	98	97	91	68	83
Corn harvested (grain or seed) .....	10	21	22	11	21	31	10	10	33	19	8	3	9
Soybean leaves turning color .....	100	100	99	99	99	98	97	96	97	99	95	98	98
Soybeans dropping leaves .....	94	98	89	89	94	88	84	80	85	90	75	88	91
Soybeans harvested .....	50	60	38	35	50	22	16	10	29	38	7	18	37

### PRELIMINARY IOWA PRECIPITATION



**Days Suitable & Soil Moisture Condition as of October 3, 2010**

Item	Districts									State	Last Week	Last Year
	NW	NC	NE	WC	C	EC	SW	SC	SE			
Days suitable .....	(Days) 6.3	(Days) 6.1	(Days) 6.1	(Days) 6.5	(Days) 6.7	(Days) 6.3	(Days) 6.3	(Days) 6.4	(Days) 6.1	(Days) 6.3	(Days) 2.2	(Days) 3.4
	(Percent)											
Topsoil moisture												
Very short .....	1	1	0	0	0	0	0	0	0	0	0	1
Short .....	3	2	1	0	5	4	5	0	0	2	1	7
Adequate .....	74	94	94	88	82	92	86	73	76	85	58	73
Surplus .....	22	3	5	12	13	4	9	27	24	13	41	19
Subsoil moisture												
Very short .....	0	0	0	0	0	0	0	0	0	0	0	2
Short .....	0	9	2	0	2	2	1	0	0	2	2	9
Adequate .....	64	87	94	83	74	91	83	73	64	80	64	81
Surplus .....	36	4	4	17	24	7	16	27	36	18	34	8

**Weather Summary For National Agricultural Statistics Service, Iowa Field Office. For the week ending: Sunday, October 3, 2010, Prepared by AWIS, Inc.**

STATION	CURRENT WEEK				SINCE APRIL 1				CURRENT WEEK			
	TEMPERATURE				PRECIPITATION				PRECIPITATION		GDD BASE 50F	
	HI	LO	AVG	DFN	TOTAL	DFN	TOTAL	DFN	TOTAL	DFN		
North West District												
Estherville .....	78	30	57	3	0.00	-0.63	27.82	6.90	60	21		
Sioux Center .....	80	30	59	2	0.00	-0.59	34.22	13.85	67	10		
Spencer .....	79	30	57	2	0.00	-0.62	28.74	6.98	58	14		
Spirit Lake .....	75	34	58	5	0.00	-0.60	27.52	6.82	63	17		
North Central District												
Britt .....	80	32	56	-3	0.00	-0.69	24.60	1.85	50	9		
Humboldt .....	81	32	57	-1	0.00	-0.68	40.34	17.01	54	3		
Mason City .....	82	29	56	1	0.01	-0.73	22.54	-1.55	51	9		
Osage .....	79	32	55	-2	0.10	-0.68	31.22	6.44	43	1		
North East District												
Decorah .....	80	29	56	-2	0.01	-0.72	30.51	6.81	48	-4		
Dubuque .....	75	32	54	-3	0.10	-0.75	37.11	11.28	38	-12		
Elkader .....	79	28	52	-6	0.06	-0.63	40.38	17.00	27	-24		
Fayette .....	80	32	55	-3	0.11	-0.63	34.46	9.92	40	2		
Waterloo .....	82	30	57	-1	0.01	-0.72	36.25	12.12	54	2		
West Central District												
Carroll .....	83	30	58	0	0.00	-0.72	32.72	8.19	62	7		
Castana .....	80	33	59	-1	0.00	-0.73	27.50	5.45	68	1		
Guthrie Center .....	83	30	57	-2	0.00	-0.75	44.81	20.50	56	0		
Harlan .....	84	31	58	-1	0.00	-0.91	37.20	12.98	61	9		
Jefferson .....	84	32	57	-1	0.00	-0.72	35.20	10.67	57	-1		
Logan .....	83	33	57	-2	0.00	-0.75	33.63	10.81	57	-3		
Rockwell City .....	81	32	57	-2	0.00	-0.74	36.43	12.74	56	4		
Sac City .....	83	30	57	0	0.00	-0.74	33.32	10.02	54	6		
Sioux City .....	84	33	60	2	0.00	-0.58	26.01	6.93	75	21		
Central District												
Boone .....	83	33	57	-1	0.00	-0.74	41.36	16.57	56	-4		
Des Moines .....	82	39	61	2	0.00	-0.71	43.18	19.89	77	10		
Grundy Center .....	83	32	56	-1	0.00	-0.70	39.94	16.16	48	-1		
Marshalltown .....	81	31	57	1	0.00	-0.71	39.48	14.57	57	5		
Newton .....	80	35	57	-2	0.00	-0.80	51.61	27.59	55	-11		
Perry .....	84	32	58	1	0.00	-0.69	40.02	16.51	59	5		
Toledo .....	80	32	55	-2	0.00	-0.70	29.81	4.69	46	-1		
East Central District												
Cedar Rapids .....	77	34	56	-3	0.00	-0.73	34.57	10.80	51	-9		
Davenport .....	78	33	57	-4	0.00	-0.69	33.61	10.54	54	-26		
Iowa City .....	78	39	58	-4	0.02	-0.77	32.59	6.77	59	-20		
Lowden .....	80	32	54	-4	0.00	-0.81	32.21	5.95	36	-18		
Maquoketa .....	77	34	54	-4	0.03	-0.74	29.76	5.66	33	-18		
Muscatine .....	77	38	57	-4	0.04	-0.76	41.06	16.74	58	-16		
South West District												
Atlantic .....	85	29	56	-2	0.00	-0.84	36.71	13.84	51	-8		
Clarinda .....	83	31	55	-4	0.00	-0.86	32.26	5.47	42	-17		
Glenwood .....	84	33	58	-2	0.00	-0.77	28.42	4.17	61	-10		
Red Oak .....	85	34	58	-3	0.00	-0.82	32.36	5.93	59	-5		
Sidney .....	84	38	61	0	0.00	-0.82	26.59	1.58	76	2		
South Central District												
Allerton .....	78	36	57	-3	0.00	-0.94	56.26	30.72	54	-9		
Beaconsfield .....	77	35	57	-3	0.00	-0.87	39.01	14.38	53	-12		
Chariton .....	77	36	55	-4	0.00	-0.98	49.70	23.46	43	-14		
Indianola .....	82	32	57	-3	0.00	-0.80	47.02	22.81	56	-2		
Leon .....	77	33	55	-5	0.00	-0.86	44.68	19.21	42	-15		
South East District												
Bloomfield .....	77	38	58	-4	0.00	-0.92	48.07	22.20	57	-11		
Burlington .....	76	37	58	-3	0.11	-0.74	45.18	21.26	59	-19		
Ottumwa .....	77	36	58	-4	0.00	-0.83	46.98	23.02	57	-13		
Washington .....	78	34	56	-6	0.04	-0.78	47.03	23.67	48	-21		

Precipitation (rain, melted snow or ice) in inches. Precipitation Days = Days with precipitation of 0.01 inch or more. Air Temperatures in Degrees Fahrenheit. Copyright 2010: AWIS, Inc. All Rights Reserved.